

# Antiproton Source Work list

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## Access Items

Work To Perform	Person Responsible	Location	Time Required	Key Requirements	Comments
AP2 Alignment work	Harms	Transport (Rings?)	2 days	3 Rings / 3 Transport	
Repair LCW leaks on A5Q2 & D6Q11	Harms	Rings	1 hr	2 Rings	Requires magnet factory people
Inspection / maint for AP2 roughing pump	Gusler	Transport	1 hr	2 Transport	This should be done as the opportunity presents itself
Inspection of Debuncher BPMs	Budlong	Rings	2 hrs	2 Rings	
RF system maintenance	Vargo	A40 → A50	2 hrs	2 Rings	
Change out conductivity cell in lens water system	Morgan	AP0 Target Hall	2 hrs		2 techs, 1 rad tech
Change target air pressure transducer	Morgan	AP0 Target Hall	1 hr		1 tech, 1 rad tech
Move the U/S end of D:ISEP and connect D/S end of D-chamber to motion control	Vander Meulen	D40	2 hrs	2 Rings	This is contingent on AP2 alignment work findings.
Inspect Lens module for leaks	Leveling Morgan	Target Vault	1 day	Vault	
Inspect 4-8 core momentum TWT water flow tripping	P. Seifrid	A40	1 day	2 Rings	
Label electronics assemblies	P. Seifrid	D10, D30	1 hr	2 Rings	
Inspect target module	Morgan	AP0 Target Hall	5 hrs		2 techs, 1 rad tech. Low priority

## Systems Maintenance Items

Work To Perform	Person Responsible	Location	Time Required	Key Requirements	Comments
Sublimate Acc sectors, general vacuum maint as needed	Gusler	Rings	1 hr	N/A	Dayshifts when the stack is small
Recabling work on ARF1 / DRF1 low-level	B. Vargo	AP50	N/A	N/A	
Modify interlock chassis: A:IB, D:IB, A:LQ, A:QDF, A:QT, D:QD, D:QF, D:QSS	B. Wisner	Service Buildings		N/A	
LCW O2 removal system maintenance	FESS	CUB	?	N/A	
Wet engine maintenance	Harms / Makara	AP30	1 hr	N/A	

Replace chilled water skid	Harms	AP30	2 days	N/A	Upgrade over existing skid
Switch to newplate / frame heat exchanger	Harms	CUB	30 minutes	N/A	
Repair D:H4TH01 readback	Mueller	AP30	30 minutes	N/A	Bad burndy connection in motor controller crate
Testing of new DRF1 cavity tuning control system	Vander Meulen / Harms	AP50	As needed	N/A	As time permits
Install new SWIC scanner chassies	Sondgeroth	AP30, AP50	1 day	N/A	